OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,277

DATE: 09/07/2001 TIME: 14:29:07

Input Set: A:\A-688A.ST25.txt Does not bone a Output Set: N:\CRF3\09072001\1840277.raw glaby from Shut

	4 5 6	<110	KC LA BC	HNO, CEY, ONE,	TAI DAV	OAHII VID I OMAS	KO LEE CHAI	RLES		RTN/1	7 DHE	NOTE	ል እነጥ 2	\CON]	r STPS			TE	RE	T P
C>	10 12 13 15 16	<130 <140	> FI > CU > CU > PF > PF	LE FURREN	REFER NT AF NT FI APPI FILI	RENCE PPLICE LICAT LICAT LNG L	E: A: CATION CATE	-6882 ON NO TE: 2 NUMI : 200	A UMBEI 2001 - BER: 0.0 - 04	R: 09 - 08- 1 60/1 4-21	9/840 L 4 L98,9	0,277 919						P.	5	
•••	19 21 23 25	<151 <160 <170 <210 <211	> PF > NC > SC > SE	RIOR MBEF FTWA CQ II	FILI R OF ARE: O NO:	NG I SEQ Pate : 1	DATE ID 1	: 200 NOS:	00-05 135	5-03			1,		7		, =-	: <u></u>		
	28 30 31 32	<212 <213 <220 <221 <222	> OF > FE > NA > LO	RGANI EATUF ME/F CATI	SM: RE: KEY: ION:	CDS	(68	34)	5								•			
	36 37 38 39		> SE gac Asp	QUE1 aaa Lys	NCE: act Thr	1 cac His 5	aca Thr	tgt Cys	Pro	Pro	Cys 10	Pro	Ala	Pro	Glu	Leu 15	Leu		48	
	42 43 45	ggg Gly atg	Gly	Pro	Ser 20 cgg	Val acc	Phe cct	Leu gag	Phe gtc	Pro 25- aca	Pro tgc	Lys gtg	Pro gtg	Lys gtg	Asp 30 gac	Thr gtg	Leu agc		96 144	
	47 49 50	Met cac His	gaa Glu	35 gac	cct	gag	gtc	aag	40 ttc	aac	tgg	tac	gtg	45 gac	ggc	gtg	gag		192	
i i	54 55	gtg Val 65	His	Asn	Āla	Lys	Thr 70	aag Lys	Pro	Arg	Glu	Glu 75	cag Gln	Tyr	Asn	Ser	Thr 80		240	
2	58 59 61	tac Tyr ggc	Arg	Val gag	Val tac	Ser 85 aag	Val tgc	Leu aag	Thr gtc	Val tcc	Leu 90 aac	His aaa	Gln gcc	Asp ctc	Trp	Leu 95 gcc	Asn		336	
	63 65	Gly atc Ile	gag	aaa	100 acc	atc	tcc	aaa	gcc	105 aaa	ggg	cag	ccc	cga	110 gaa	cca	cag		384	



RAW SEQUENCE LISTING PATENT APPLICATION: US/09/840,277

DATE: 09/07/2001 TIME: 14:29:07

Input Set : A:\A-688A.ST25.txt

Output Set: N:\CRF3\09072001\1840277.raw

69 gtg tac acc ctg ccc cca tcc cgg gat gag ctg acc aag aac cag gtc 70 Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val 71 130 135 140	432
73 agc ctg acc tgc ctg gtc aaa ggc ttc tat ccc agc gac atc gcc gtg 74 Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val 75 145 150 155 160	480
77 gag tgg gag agc aat ggg cag ccg gag aac aac tac aag acc acg cct 78 Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro 79 165 170 175	528
81 ccc gtg ctg gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc 82 Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr 83 180 185 190	576
85 gtg gac aag agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg 86 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val 87 195 200 205	624
89 atg cat gag gct ctg cac aac cac tac acg cag aag agc ctc tcc ctg 90 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu	672
91 210 215 220 93 tct ccg ggt aaa 94 Ser Pro Gly Lys	684
95 225 98 <210> SEQ ID NO: 2	
99 <211> LENGTH: 228 100 <212> TYPE: PRT	
101 <213> ORGANISM: Homo sapiens	
103 <400> SEQUENCE: 2 105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 106 1 5 10 15	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 106 1 5 10 15 15 109 Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu 110 20 25 30	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 106 1 5 10 15 15 109 Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 106 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 106 1 5 5 5 5 5 5 6 10 10 5 5 5 5 6 10 10 5 5 5 6 10 10 5 5 6 10 15 6 15 6	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 106 1 5 7 8 10 10 15 15 15 109 Gly Gly Pro Ser Val Pro Pro Pro Lys Pro Lys Asp Thr Leu 110 1	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 10 10 15 15 15 10 10 10 15 15 15 11 10 10 15 15 15 10 10 10 15 15 15 10 10 10 15 15 15 10 10 10 15 15 15 10 10 10 15 15 15 10 10 10 10 15 15 10	
105 Met	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 106 1	
105 Met	
105 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu 106 1	
105 Met Asp Lys Thr His Thr Cys Pro Pro Ala Pro Glu Leu Leu 10	

DATE: 09/07/2001

```
PATENT APPLICATION: US/09/840,277
                                                      TIME: 14:29:07
                Input Set : A:\A-688A.ST25.txt
                Output Set: N:\CRF3\09072001\1840277.raw
150
               180
                                   185
153 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
                        200
154 195
                                                   205
157 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
                      215
158 210
161 Ser Pro Gly Lys
162 225
165 <210> SEQ ID NO: 3
166 <211> LENGTH: 8
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Preferred linker . \checkmark
173 <400> SEQUENCE: 3
175 Gly Gly Gly Lys Gly Gly Gly
176 1
179 <210> SEQ ID NO: 4
180 <211> LENGTH: 8
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Preferred linker
187 <400> SEQUENCE: 4
189 Gly Gly Asn Gly Ser Gly Gly
190 1
193 <210> SEQ ID NO: 5
194 <211> LENGTH: 8
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Preferred linker
201 <400> SEQUENCE: 5
203 Gly Gly Gly Cys Gly Gly Gly
204 1
207 <210> SEQ ID NO: 6
208 <211> LENGTH: 5
209 <212> TYPE: PRT
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Preferred linker \checkmark
215 <400> SEQUENCE: 6
217 Gly Pro Asn Gly Gly
218 1
221 <210> SEQ ID NO: 7
222 <211> LENGTH: 5
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Laminin peptide
```

RAW SEQUENCE LISTING

DATE: 09/07/2001

TIME: 14:29:07

```
Input Set : A:\A-688A.ST25.txt
                     Output Set: N:\CRF3\09072001\I840277.raw
     229 <400> SEQUENCE: 7
     231 Tyr Ile Gly Ser Arg
     232 1
     235 <210> SEQ ID NO: 8
     236 <211> LENGTH: 49
     237 <212> TYPE: PRT
     238 <213> ORGANISM: Artificial Sequence
     240 <220> FEATURE:
     241 <223> OTHER INFORMATION: Echistatin peptide (
     243 <400> SEQUENCE: 8
     245 Glu Cys Glu Ser Gly Pro Cys Cys Arg Asn Cys Lys Phe Leu Lys Glu
     246 1
     249 Gly Thr Ile Cys Lys Arg Ala Arg Gly Asp Asp Met Asp Asp Tyr Cys
                     20
     253 Asn Gly Lys Thr Cys Asp Cys Pro Arg Asn Pro His Lys Gly Pro Ala
     254
                 35
                                      40
     257 Thr
     261 <210> SEQ ID NO: 9
     262 <211> LENGTH: 7
     263 <212> TYPE: PRT
     264 <213> ORGANISM: Artificial Sequence
     266 <220> FEATURE:
     267 <223> OTHER INFORMATION: RGD, NGR derivative peptide
     269 <220> FEATURE:
     270 <221> NAME/KEY: misc_feature
     271 <222> LOCATION: (2, 5 and)..(7)
     272 <223> OTHER INFORMATION: Xaa is any amino acid
     275 <400> SEQUENCE: 9=
W--> 277 Arg (Xaa)Glu Thr (Xaa
     278 1
     281 <210> SEQ ID NO: 10
     282 <211> LENGTH: 7
     283 <212> TYPE: PRT
     284 <213> ORGANISM: Artificial Sequence
     286 <220> FEATURE:
     287 <223> OTHER INFORMATION: RGD, NGR derivative peptide
    289 <220> FEATURE:
     290 <221> NAME/KEY: misc_feature
     291 <222> LOCATION: (2, 5 and)..(7)
     292 <223> OTHER INFORMATION: Xaa is any amino acid
     295 <400> SEQUENCE: 10
W--> 297 Arg (Xaa' slu Thr (Xaa
                             Trp /Xaa
     298 1
     301 <210> SEQ ID NO: 11
     302 <211> LENGTH: 9
     303 <212> TYPE: PRT
     304 <213> ORGANISM: Artificial Sequence
     306 <220> FEATURE:
     307 <223> OTHER INFORMATION: RGD, NGR derivative peptide
```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/840,277

DATE: 09/07/2001

```
PATENT APPLICATION: US/09/840,277
                                                                 TIME: 14:29:07
                      Input Set : A:\A-688A.ST25.txt
                      Output Set: N:\CRF3\09072001\I840277.raw
     309 <220> FEATURE:
     310 <221> NAME/KEY: misc_feature
     311 <222> LOCATION: (2, 3, 7 and)..(8)
     312 <223> OTHER INFORMATION: Xaa is any amino acid
     315 <400> SEQUENCE: 11
W--> 317 Cys Xaa Xaa Arg Leu Asp Xaa Xaa
                                            Cys
     318 1
     321 <210> SEQ ID NO: 12
     322 <211> LENGTH: 7
     323 <212> TYPE: PRT
     324 <213> ORGANISM: Artificial Sequence
     326 <220> FEATURE:
     327 <223> OTHER INFORMATION: RGD, NGR derivative peptide
     329 <220> FEATURE:
     330 <221> NAME/KEY: misc_feature
     331 < 222 > LOCATION: (2 and)..(3)
     332 <223> OTHER INFORMATION: Xaa is any amino acid
     335 <400> SEQUENCE: 12 = -
W--> 337 Cys/Xaa/Xaa/Arg Gly Asp Cys
     338 1
     341 <210> SEQ ID NO: 13
     342 <211> LENGTH: 9
     343 <212> TYPE: PRT
     344 <213> ORGANISM: Artificial Sequence
     346 <220> FEATURE:
     347 <223> OTHER INFORMATION: RGD, NGR derivative peptide
     349 <220> FEATURE:
     350 <221> NAME/KEY: misc_feature
     351 <222> LOCATION: (1, 2, 3, 7, 8 and)..(9)
     352 <223> OTHER INFORMATION: Xaa is any amino acid
     355 <4.00 SEQUENCE: 13
W--> 357(Xaa/Xaa)(Xaa)Arg Gly Asp/Xaa)Xaa
     358 1
     361 <210> SEQ ID NO: 14
     362 <211> LENGTH: 9
     363 <212> TYPE: PRT
     364 <213> ORGANISM: Artificial Sequence
     366 <220> FEATURE:
     367 <223> OTHER INFORMATION: RGD, NGR derivative peptide
     369 <220> FEATURE:
     370 <221> NAME/KEY: misc_feature
     371 <222> LOCATION: (2)..(8)
     372 <223> OTHER INFORMATION: Xaa is any amino acid
     376 <400> SEQUENCE: 14
W--> 378 Cys (Xaa) Cys Arg Gly Asp Cys (Xaa)
                                            Cys
     379 1
     382 <210> SEQ ID NO: 15
     383 <211> LENGTH: 8
     384 <212> TYPE: PRT
                                                      Use of n and / or Xaa has been detected in the
                                                     Sequence Listing. Review the Sequence Listing
                                                     to ensure a corresponding explanation is present
                                                     in the <220> to <223> fields of each sequence
                                                     using n or Xaa.
```

RAW SEQUENCE LISTING

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/840,277

DATE: 09/07/2001 TIME: 14:29:08

Input Set : A:\A-688A.ST25.txt

Output Set: N:\CRF3\09072001\I840277.raw

```
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
 L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
 L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
 L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
 L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
 L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
 L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
 L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
 L:516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
 L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
 L:556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
 L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
 L:974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID\#:50
 L:1120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#::58
-L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
 L:1536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
 L:1556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
```